



Product Change Notification / SYST-09MWPY852

Date:

10-Sep-2021

Product Category:

32-bit Microcontrollers

PCN Type:

Document Change

Notification Subject:

Data Sheet - SAM D21/DA1 Family Data Sheet

Affected CPNs:

[SYST-09MWPY852_Affected_CPN_09102021.pdf](#)

[SYST-09MWPY852_Affected_CPN_09102021.csv](#)

Notification Text:

SYST-09MWPY852

Microchip has released a new Product Documents for the SAM D21/DA1 Family Data Sheet of devices. If you are using one of these devices please read the document located at [SAM D21/DA1 Family Data Sheet](#).

Notification Status: Final

Description of Change:

SYSCTRL

- Removed erroneous text from the DFLLRDY bitfield of the PCLKSR Register.

DMAC

- Removed non-applicable text from Burst Transfer in DMA.

TCC

- Updated the number of TCC Instances in Overview.

ADC

- Updated the Equations in Prescaler for Single-Shot and Free-Running Modes.

AC

- Added a new paragraph to Overview for L-Variant devices.

DAC

- Updated Synchronization to reflect that no bits need synchronization.

Electrical Characteristics at 85°C

- Updated the POR Operating Principle figure to properly reflect an Internal RESET in Power-On-Reset (POR) Characteristics
- Updated the following figures in BOD33 to properly display the Internal RESET:
 - BOD33 Hysteresis OFF
 - BOD33 Hysteresis ON
- Removed erroneous SS line from the SPI Timing Requirements in Host Mode figure in SERCOM in SPI Mode Timing

SAM DA1 Electrical Characteristics at 105°C

- Updated the values in the BOD33 LEVEL Value table in BOD33.

Appendix B

- Updated Ordering Information with a new table reflecting all ISELED parts.

Packaging Information

- Updated the following packages with a new note:

- 64-Pin VQFN
- 48-Pin VQFN

- Added the following package:

- 64-Lead VQFN 4

Impacts to Data Sheet: None

Reason for Change: To Improve Manufacturability

Change Implementation Status: Complete

Date Document Changes Effective: 10 Sept 2021

NOTE: Please be advised that this is a change to the document only the product has not been changed.

Markings to Distinguish Revised from Unrevised Devices: N/A

Attachments:

[SAM D21/DA1 Family Data Sheet](#)

Please contact your local [Microchip sales office](#) with questions or concerns regarding this notification.

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Affected Catalog Part Numbers (CPN)

ATSAMDA1-XPRO
ATSAMDA1E14B-ABT
ATSAMDA1E14B-MBT
ATSAMDA1E15A-ABT
ATSAMDA1E15B-ABT
ATSAMDA1E15B-ABTV10
ATSAMDA1E15B-ABTVAO
ATSAMDA1E15B-MBT
ATSAMDA1E16A-ABT
ATSAMDA1E16A-MBT
ATSAMDA1E16A-MBTV02001
ATSAMDA1E16B-ABT
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ATSAMDA1E16B-ABTV17
ATSAMDA1E16B-ABTVAO
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ATSAMDA1E16B-MBTV01
ATSAMDA1E16B-MBTV09
ATSAMDA1E16B-MBTV11
ATSAMDA1E16B-MBTV13
ATSAMDA1E16B-MBTV19001
ATSAMDA1E16B-MBTV22
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